

811 Consolidated Service Invoice/Statement

Functional Group ID=**CI**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Consolidated Service Invoice/Statement Transaction Set (811) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the billing or reporting of complex and structured service invoice/statement detail. This standard can be used by organizations who are interested in sending or receiving either consolidated or standalone invoices for service arrangements which require processing other than that done for the typical product invoice. The Consolidated Service Invoice/Statement can be used as a credit/debit memo to differentiate between payable invoice items and information-only memo items. This transaction set should not be used as a standalone notification of a credit/debit adjustment.

Notes:

- 1. Use this transaction set to transmit telecommunication consolidated service invoices to a Federal Government activity responsible for initiating the payment. This implementation convention may also be used within the federal government to transmit all or portions of the invoice to other activities for repayment to the activity or for information.*
- 2. Use a single occurrence of this transaction to invoice or provide adjustments for one or more deliveries or service performances, provided to the Federal Government on one or more shipments.*
- 3. Use to transmit commercial consolidated service invoice data only from one invoice preparing party to one invoice receiving party.*
- 4. The appendix to this implementation convention contains the hierarchical structure for telecommunication invoices to the federal government.*
- 5. The procedures and models for this implementation convention are contained in the Telecommunication Industry Forum (TCIF) EDI Guidelines Customer Services.*
- 6. For summing rules and examples, refer to Telecommunication Industry Forum (TCIF) EDI Guidelines Customer Services, Section 7. This information is available on the Telecommunication Industry Forum (TCIF) World Wide Web home page.*

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
6	010	ST	Transaction Set Header	M	1		
7	020	BIG	Beginning Segment for Invoice	M	1		
9	030	NTE	Note/Special Instruction	O	100		
10	040	CUR	Currency	O	1		

811T - Consolidated Service Invoice/Statement

13	050	REF	Reference Identification	O	>1
15	060	PER	Administrative Communications Contact	O	3
17	070	ITD	Terms of Sale/Deferred Terms of Sale	O	5
19	080	DTM	Date/Time Reference	O	10
20	090	TXI	Tax Information	O	>1
LOOP ID - N1					>1
22	100	N1	Name	O	1
24	110	N2	Additional Name Information	O	2
25	120	N3	Address Information	O	2
26	130	N4	Geographic Location	O	1
27	140	REF	Reference Identification	O	12
29	150	PER	Administrative Communications Contact	O	3

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
LOOP ID - HL							>1
31	010	HL	Hierarchical Level	M	1		n1
LOOP ID - LX							>1
33	020	LX	Assigned Number	O	1		
34	030	SI	Service Characteristic Identification	O	8		
36	040	PID	Product/Item Description	O	200		
37	050	REF	Reference Identification	O	>1		
40	060	AMT	Monetary Amount	O	5		
42	070	DTM	Date/Time Reference	O	8		
43	080	TXI	Tax Information	O	>1		
LOOP ID - QTY							10
45	090	QTY	Quantity	O	1		
49	100	SI	Service Characteristic Identification	O	1		
LOOP ID - NM1							1
51	110	NM1	Individual or Organizational Name	O	1		n2
54	120	N2	Additional Name Information	O	2		
55	130	N3	Address Information	O	2		
56	140	N4	Geographic Location	O	1		
57	150	REF	Reference Identification	O	2		
60	160	PER	Administrative Communications Contact	O	>1		
62	170	TXI	Tax Information	O	>1		
LOOP ID - ITA							>1
64	180	ITA	Allowance, Charge or Service	O	1		
68	190	DTM	Date/Time Reference	O	1		
69	200	TXI	Tax Information	O	>1		
LOOP ID - IT1							999999
71	210	IT1	Baseline Item Data (Invoice)	O	1		n3
73	220	SI	Service Characteristic Identification	O	2		
75	230	PID	Product/Item Description	O	200		
76	240	INC	Installment Information	O	1		

811T - Consolidated Service Invoice/Statement

77	250	TXI	Tax Information	O	>1	
79	260	REF	Reference Identification	O	8	
80	270	DTM	Date/Time Reference	O	10	
81	280	MSG	Message Text	O	>1	
LOOP ID - QTY					>1	
82	290	QTY	Quantity	O	1	
83	300	SI	Service Characteristic Identification	O	1	
LOOP ID - ITA					10	
85	310	ITA	Allowance, Charge or Service	O	1	
87	320	DTM	Date/Time Reference	O	1	
88	330	TXI	Tax Information	O	>1	
LOOP ID - NM1					>1	
90	340	NM1	Individual or Organizational Name	O	1	
93	350	N2	Additional Name Information	O	2	
94	360	N3	Address Information	O	2	
95	370	N4	Geographic Location	O	1	
96	380	PER	Administrative Communications Contact	O	3	
LOOP ID - SLN					>1	
98	390	SLN	Subline Item Detail	O	1	n4
103	400	SI	Service Characteristic Identification	O	2	
105	410	PID	Product/Item Description	O	200	
106	420	CUR	Currency	O	1	
109	430	INC	Installment Information	O	1	
110	440	ITA	Allowance, Charge or Service	O	10	
112	450	TXI	Tax Information	O	>1	
114	460	REF	Reference Identification	O	>1	
115	470	PER	Administrative Communications Contact	O	3	
117	480	DTM	Date/Time Reference	O	10	
118	490	AMT	Monetary Amount	O	15	
120	500	MSG	Message Text	O	>1	
LOOP ID - QTY					>1	
121	510	QTY	Quantity	O	1	
122	520	SI	Service Characteristic Identification	O	1	
LOOP ID - NM1					>1	
124	530	NM1	Individual or Organizational Name	O	1	
127	540	N2	Additional Name Information	O	2	
128	550	N3	Address Information	O	2	
129	560	N4	Geographic Location	O	1	
130	570	REF	Reference Identification	O	8	
131	580	PER	Administrative Communications Contact	O	3	
LOOP ID - TCD					>1	
133	590	TCD	Itemized Call Detail	O	1	n5
136	600	SI	Service Characteristic Identification	O	2	
138	610	TXI	Tax Information	O	>1	
140	615	ITA	Allowance, Charge or Service	O	>1	
LOOP ID - QTY					>1	

811T - Consolidated Service Invoice/Statement

142	617	QTY	Quantity	O	1	
143	618	SI	Service Characteristic Identification	O	1	
LOOP ID - USD					>1	
145	620	USD	Usage-Sensitive Detail	O	1	n6
150	625	SI	Service Characteristic Identification	O	2	
152	630	ITA	Allowance, Charge or Service	O	2	
154	640	TRF	Rating Factors	O	18	
LOOP ID - QTY					>1	
159	650	QTY	Quantity	O	1	
160	660	SI	Service Characteristic Identification	O	1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
162	010	TDS	Total Monetary Value Summary	M	1		
LOOP ID - ITA					>1		
163	020	ITA	Allowance, Charge or Service	O	1		
165	030	DTM	Date/Time Reference	O	1		
166	035	REF	Reference Identification	O	5		
LOOP ID - BAL					>1		
167	040	BAL	Balance Detail	O	1		
168	050	DTM	Date/Time Reference	O	1		
LOOP ID - N1					>1		
169	060	N1	Name	O	1		
LOOP ID - BAL					>1		
170	070	BAL	Balance Detail	O	1		
171	080	DTM	Date/Time Reference	O	1		
LOOP ID - ITA					>1		
172	090	ITA	Allowance, Charge or Service	O	1		
174	100	DTM	Date/Time Reference	O	2		
175	105	REF	Reference Identification	O	5		
176	115	CTT	Transaction Totals	O	1		n7
177	120	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- Valid codes for HL03 to define levels for this transaction set are given below: 1 - Service/Billing Provider (Identifies the Company Providing the Service/Billing) 2 - Billing Arrangement (Identifies a Specific Billing Arrangement) 3 - Sub-billing Arrangement (Identifies a More Detailed Billing Arrangement) 4 - Group (Identifies a Group of Charges on the Bill) 5 - Category (Identifies the Subdivision of the Group) 6 - Subcategory (Identifies a Further Breakdown of the Category) 7 - Type (Identifies a Further Breakdown of the Subcategory) 8 - Charge Detail (Identifies the Lowest Level of Charges within a Billing Arrangement) 9 - Line Detail (Identifies the Supporting Detail Associated with the Charge or Group Level) They must be used in the (hierarchical) order in which they are listed; however, certain levels are optional and may be omitted. At least one occurrence each of the

service/billing provider level and group level is required.

2. When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.
3. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
4. The SLN loop may only appear at the charge detail level.
5. The TCD loop may only appear at the line detail level.
6. The USD loop may only appear at the line detail level.
7. The number of line items (CTT01) is the accumulation of the number of IT1 segments.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			811 Consolidated Service Invoice/Statement	
M	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes:

- 1 BIG01 is the invoice issue date.
- 2 BIG03 is the date assigned by the purchaser to purchase order.
- 3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

- 1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BIG01	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
M	BIG02	76	Invoice Number	M AN 1/22
			Identifying number assigned by issuer	
			<i>TCIF recommends that this number be unique. One method that may be used to make this number unique is to join the account number and the invoice date.</i>	
	BIG07	640	Transaction Type Code	O ID 2/2
			Code specifying the type of transaction	
		AI	Adjusted Invoice	
			<i>1. This code is to be used only within the federal government.</i>	
			<i>2. This code is slated for deletion unless a requirement is identified for its use.</i>	
		CD	Consolidated Debit Invoice	
		CE	Consolidated Credit Invoice	
			Indicates that the invoice is a consolidation of several detailed credit invoices; the detail, if provided, will be contained in debit memos	
		CF	Consolidated Debit Memo	
			Indicates that the invoice is a consolidated memo; all actual billing invoices are summarized by this consolidated memo	
		CG	Consolidated Credit Memo	

	Indicates that the invoice is a consolidated memo; all actual billing invoices are summarized by this consolidated memo
CI	Consolidated Invoice
CM	Call Detail Memo
	Indicates that the invoice contains details of telecommunications usage that is for information and not payable
CN	Credit Invoice
CR	Credit Memo
DI	Debit Invoice
DR	Debit Memo
FB	Final Bill
FD	Consolidated Invoice, Final Bill
	The final (last) bill for a consolidated account
FE	Memorandum, Final Bill
	The final (last) bill for a non-payable invoice (memo)
ME	Memorandum
RG	Revised Final Bill
	Code to indicate that the last bill has been recalculated due to the receipt of delayed usage, or credits; to identify unpaid overdue final accounts, which are reissued each month

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:**Semantic Notes:**

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		GEN	Entire Transaction Set
		INV	Invoice Instruction
		OTH	Other Instructions
		PRI	Priority
		TIL	Tariff Index
		TLF	Tariff Rule
		TRF	Tariff Rate Footnotes
		TSF	Tariff Section Footnotes
M	NTE02	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **CUR** Currency

Position: 040

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Notes: *Use this 1/CUR/040 segment to identify the currency in which payment is requested.*

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
M	CUR01	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			PR Payer	
M	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
			CAD - Canadian Dollars	
			USD - USA Dollars	
			For additional values, request ISO document 4217.	
	CUR03	280	Exchange Rate	O R 4/10
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
	CUR04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or	

an individual

PE Payee

PM Party to receive paper Memo of Invoice

RI Remit To

SE Selling Party

SJ Service Provider

Identifies name and address information as pertaining to a service provider for which billing is being rendered

CUR05 100 Currency Code O ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

*CAD - Canadian Dollars**USD - USA Dollars***CUR06 669 Currency Market/Exchange Code O ID 3/3**

Code identifying the market upon which the currency exchange rate is based

IMF International Monetary Fund

LNF London (England) Exchange - First Closing

LNS London (England) Exchange - Second Closing

NYC New York Foreign Exchange

PHI Philadelphia Foreign Exchange

ZUR Zurich (Switzerland) Exchange

CUR07 374 Date/Time Qualifier X ID 3/3

Code specifying type of date or time, or both date and time

001 Cancel After

003 Invoice

007 Effective

Effective date of exchange

009 Process

035 Delivered

092 Contract Effective

093 Contract Expiration

102 Issue

150 Service Period Start

151 Service Period End

152 Effective Date of Change

Date on which the change went into effect

153 Service Interruption

154 Adjustment Period Start

155 Adjustment Period End

CUR08 373 Date O DT 8/8

CUR09	337	Date expressed as CCYYMMDD	
	Time		O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	

Segment: **REF** **Reference Identification**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			11	Account Number
				Number identifies a telecommunications industry account
			12	Billing Account
				Account number under which billing is rendered
			14	Master Account Number
				Account number used to represent individual billing accounts which have been consolidated and/or summarized
			AP	Accounts Receivable Number
			BB	Authorization Number
				Proves that permission was obtained to provide a service
			CT	Contract Number
			DO	Delivery Order Number
			EH	Financial Classification Code
			HB	Bill & Hold Invoice Number
			LU	Location Number
			PO	Purchase Order Number
			RE	Release Number
			VN	Vendor Order Number
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

REF03	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **PER** **Administrative Communications Contact**
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
 2 If either PER05 or PER06 is present, then the other is required.
 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			CC Computer Systems Contact	
	PER02	93	Name	O AN 1/60
			Free-form name	
	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			AU Defense Switched Network	
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
			<i>This code is to be used only within the federal government.</i>	
			EM Electronic Mail	
			FX Facsimile	
			TE Telephone	
	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
	PER05	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			AU Defense Switched Network	
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	

This code is to be used only within the federal government.

EM	Electronic Mail
FX	Facsimile
TE	Telephone

PER06	364	Communication Number	X AN 1/80
--------------	------------	-----------------------------	------------------

Complete communications number including country or area code when applicable

Segment:	ITD Terms of Sale/Deferred Terms of Sale
Position:	070
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	5
Purpose:	To specify terms of sale
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required. 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	<ol style="list-style-type: none"> 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:	<i>To specify due date and late payment terms.</i>

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms	
		03 Fixed Date	
		10 Instant	
		18 Fixed Date, Late Payment Penalty Applies	
		Sales terms specifying a past due date, and a late payment percentage penalty applies to unpaid balances past this due date	
ITD02	333	Terms Basis Date Code	O ID 1/2
		Code identifying the beginning of the terms period	
		3 Invoice Date	
		5 Invoice Receipt Date	
ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
ITD06	446	Terms Net Due Date	O DT 8/8
		Date when total invoice amount becomes due expressed in format CCYYMMDD	
		<i>Date after which Late Payment Charge applies.</i>	
ITD09	388	Terms Deferred Due Date	O DT 8/8
		Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	
ITD10	389	Deferred Amount Due	X N2 1/10
		Deferred amount due for payment	

Put Late Payment Charge here until X12 approves addition of ITD16.

ITD11	342	Percent of Invoice Payable	X R 1/5
		Amount of invoice payable expressed in percent	
ITD13	765	Day of Month	X N0 1/2
		The numeric value of the day of the month between 1 and the maximum day of the month being referenced	
ITD14	107	Payment Method Code	O ID 1/2
		Code identifying type of payment procedures	
		C Pay By Check	
		E Electronic Payment System	
ITD15	954	Percent	O R 1/10
		Percentage expressed as a decimal	
		<i>Late payment percentage.</i>	

Segment: **DTM** Date/Time Reference

Position: 080

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *To specify billing period.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u>	<u>Element</u>		
	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time	
			186 Invoice Period Start	
			When the billing period covered by an invoice begins	
			187 Invoice Period End	
			When the billing period covered by an invoice ends	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **TXI** Tax Information

Position: 090

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify tax information

Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			CA City Tax	
			FD Federal Tax	
			FI Federal Income Tax Withholding	
			FT Federal Excise Tax	
			FR Franchise Tax	
			GR Gross Receipts Tax	
			LS State and Local Sales Tax	
			MP Municipal Tax	
			OT Occupation Tax	
			PS Service Tax	
			SA State or Provincial Fuel Tax	
			SC School Tax	
			SE Excise Tax	
			TD Handicap Deaf Tax	
			UL Business Tax	
			ZE 911 Tax	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI03	954	Percent	X R 1/10
			Percentage expressed as a decimal	
			<i>Tax rate for this tax jurisdiction.</i>	
	TXI04	955	Tax Jurisdiction Code Qualifier	X ID 2/2

		Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	
TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		O Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **N1** Name
Position: 100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		PE	Payee	
		PR	Payer	
	N102	93	Name	X AN 1/60
			Free-form name	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
			<i>This code is to be used only within the federal government.</i>	
		33	Commercial and Government Entity (CAGE)	
			<i>This code is to be used only within the federal government.</i>	
		40	Electronic Mail User Code	
			Identifies the Electronic Mail User locally defined and maintained between trading partners	
		41	Telecommunications Carrier Identification Code	
			Identifies the Interexchange carrier for the charges	

			being billed
	42		Telecommunications Pseudo Carrier Identification Code
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers
	91		Assigned by Seller or Seller's Agent
	92		Assigned by Buyer or Buyer's Agent
N104	67	Identification Code	X AN 2/80

Code identifying a party or other code

If N103 = "41" - Use Bellcore CIC list. If N103 = "42" - Use Pseudo-CIC list provided in TCIF section 10.4.

Segment: **N2** **Additional Name Information**
Position: 110
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

Segment: **N3** Address Information
Position: 120
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 130
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		AC City and State	
		CC Country	
		CI City	
		SP State/Province	
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment: **REF** **Reference Identification**
Position: 140
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)
		03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)
		05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)
		10	Account Managers Code
			Identifies the telecommunications manager assigned to this account
		13	Horizontal Coordinate
			Positional address, horizontal component. The assigned address is based upon a grid mapping scheme
		15	Vertical Coordinate
			Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme
		BC	Buyer's Contract Number
		CA	Cost Allocation Reference
		CO	Customer Order Number
		CR	Customer Reference Number
		CT	Contract Number
		DP	Department Number
		EF	Electronic Funds Transfer ID Number
		EM	Electronic Payment Reference Number
		EU	End User's Purchase Order Number
		GC	Government Contract Number

GT	Goods and Service Tax Registration Number
IS	Invoice Number Suffix
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
PO	Purchase Order Number
PX	Previous Invoice Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number

REF02	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
REF03	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **PER Administrative Communications Contact**
Position: 150
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
 2 If either PER05 or PER06 is present, then the other is required.
 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			TR Technical Marketing Representative	
	PER02	93	Name	O AN 1/60
			Free-form name	
	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			AU Defense Switched Network	
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
			<i>This code is to be used only within the federal government.</i>	
			EM Electronic Mail	
			FX Facsimile	
			TE Telephone	
	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
	PER05	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			AU Defense Switched Network	
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	

This code is to be used only within the federal government.

EM	Electronic Mail
FX	Facsimile
TE	Telephone

PER06	364	Communication Number	X AN 1/80
--------------	------------	-----------------------------	------------------

Complete communications number including country or area code when applicable

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:**Semantic Notes:**

- Comments:**
- 1** The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
 - 2** HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
 - 3** HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
 - 4** HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
 - 5** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

- Notes:**
- 1.** When submitting the 811 to any federal agency, use of the HL loop at levels HL03 code "1" and code "4", is required.
 - 2.** When the HL segment for a Level 4 indicates that there are no children, multiple IT1 loops may appear at this level; otherwise, there will only be one IT1 loop per HL loop.
 - 3.** As in the HL 4, when the HL segment for Level 8 indicates there are no children, multiple SLN loops may appear within one HL loop; otherwise, there will only be one SLN per HL 8 loop.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628 Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
		<i>Sequential number assigned to this HL segment.</i>	
	HL02	734 Hierarchical Parent ID Number	O AN 1/12

Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

Not used at HL1 (Service Provider).

M **HL03** **735** **Hierarchical Level Code** **M** **ID 1/2**

Code defining the characteristic of a level in a hierarchical structure

Use any code. Listed codes are preferred.

1 *Service/Billing Provider*

2 *Billing Arrangement*

This level can only be used as a subordinate to level 1.

3 *Sub-Billing Arrangement*

This level can only be used as a subordinate to level 2.

4 *Group*

This level can only be used as a subordinate to level 1, 2 or 3.

5 *Category*

This level can only be used as a subordinate to level 4.

6 *Sub-Category*

This level can only be used as a subordinate to level 5.

7 *Type*

This level can only be used as a subordinate to level 6.

8 *Charge Detail*

This level can only be used as a subordinate to level 4, 5, 6 or 7.

9 *Line Detail*

Refer to 004010 Data Element Dictionary for acceptable code values.

Must Use **HL04** **736** **Hierarchical Child Code** **O** **ID 1/1**

Code indicating if there are hierarchical child data segments subordinate to the level being described

Use any code.

0 No Subordinate HL Segment in This Hierarchical Structure.

1 Additional Subordinate HL Data Segment in This Hierarchical Structure.

Segment: **LX** Assigned Number
Position: 020
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes: *When submitting the 811 to any federal agency, use of the LX loop is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9". This loop is not used in levels "4" and "8".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554 Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set	

Segment:	SI Service Characteristic Identification
Position:	030
Loop:	LX Optional
Level:	Detail
Usage:	Optional
Max Use:	8
Purpose:	To specify service characteristic data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SI04 or SI05 is present, then the other is required. 2 If either SI06 or SI07 is present, then the other is required. 3 If either SI08 or SI09 is present, then the other is required. 4 If either SI10 or SI11 is present, then the other is required. 5 If either SI12 or SI13 is present, then the other is required. 6 If either SI14 or SI15 is present, then the other is required. 7 If either SI16 or SI17 is present, then the other is required. 8 If either SI18 or SI19 is present, then the other is required. 9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	<p><i>1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "1", "2", "3", "5", "6", "7", or "9".</i></p> <p><i>2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.</i></p>

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	SI01	559 Agency Qualifier Code		M ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier		M AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID		M AN 1/48
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID		X AN 1/48
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID		X AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment:	PID Product/Item Description
Position:	040
Loop:	LX Optional
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05.
Comments:	<ol style="list-style-type: none"> 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<i>When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is 1, 2, 3, 5, 6, 7, or 9.</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	PID03	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		AS Assigned by Seller	
	PID04	751 Product Description Code	X AN 1/12
		A code from an industry code list which provides specific data about a product characteristic	
	PID05	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment:	REF Reference Identification
Position:	050
Loop:	LX Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<i>This segment is not used at HL1 (Service Provider Level). Use of the REF segment is optional when HL03 is 2, 3, 5, 6, 7, or 9.</i>

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)
		03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)
		05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)
		10	Account Managers Code Identifies the telecommunications manager assigned to this account
		11	Account Number Number identifies a telecommunications industry account
		12	Billing Account Account number under which billing is rendered
		13	Horizontal Coordinate Positional address, horizontal component. The assigned address is based upon a grid mapping scheme
		14	Master Account Number Account number used to represent individual billing accounts which have been consolidated and/or summarized
		15	Vertical Coordinate Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme

3J	Office Number
BC	Buyer's Contract Number
CA	Cost Allocation Reference
CO	Customer Order Number
CR	Customer Reference Number
CT	Contract Number
DO	Delivery Order Number
DP	Department Number
E9	Attachment Code
	Supplementary reference information
EF	Electronic Funds Transfer ID Number
EM	Electronic Payment Reference Number
EU	End User's Purchase Order Number
F8	Original Reference Number
GC	Government Contract Number
GT	Goods and Service Tax Registration Number
HB	Bill & Hold Invoice Number
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
OW	Service Order Number
	Number assigned when a customer orders service and equipment and which appears on bill
PO	Purchase Order Number
PX	Previous Invoice Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number

REF02 127 Reference Identification

X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF03	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **AMT** Monetary Amount
Position: 060
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Notes: *When submitting the 811 to any federal agency, use of the AMT segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			<i>"6", "KO", "PB", and "SC" are the only valid codes at HL1 (Service Provider Level).</i>	
		1	Line Item Total	
		5	Total Invoice Amount	
		6	Amount Subject to Total Monetary Discount	
		8	Total Monetary Discount Amount	
		AD	Adjusted Total	
		AP	Amount Prior to Fractionalization	
			Full charge amount for the service per service period, prior to pro-rated fractionalization due to partial period billing	
		AQ	Average Price Per Call	
			The total amount of money associated with a category of calls divided by the total number of calls within the category calculated to provide call summary details	
		AS	Average Price Per Minute	
			The total amount of money associated with a category of calls divided by the total number of minutes within the category calculated to provide call summary details	
		AX	Previous Price	
		BT	Bank Reject Total	
		CH	Change Amount	
		CS	Commission Sales	
			Those sales used to calculate commission payments	
		CT	Contract	

			Indicates the value stated in the contract
KO			Committed Amount
LI			Line Item Unit Price
N			Net
			Indicates the value remaining after all deductions and adjustments have been made
NA			Net Adjustment
NO			Non Commission Sales
			Those sales not included for commission payment calculation
NS			Net Savings Amount
			Amount of dollar saving resulting from the use of service, such as Optional Calling Plans
PB			Billed Amount
			Total amount due on the period bill
SC			Total Service Charge
TP			Total payment amount
TS			Total Sales
			The total of commission and non commission sales needed to calculate intersell amount
TT			Total Transaction Amount

M	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	

Segment: **DTM** Date/Time Reference

Position: 070

Loop: LX Optional

Level: Detail

Usage: Optional

Max Use: 8

Purpose: To specify pertinent dates and times

Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is 1, 2, 3, 5, 6, 7 or 9.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
		001	Cancel After	
		003	Invoice	
		007	Effective	
		009	Process	
		035	Delivered	
		092	Contract Effective	
		093	Contract Expiration	
		102	Issue	
		150	Service Period Start	
		151	Service Period End	
		152	Effective Date of Change	
			Date on which the change went into effect	
		153	Service Interruption	
		154	Adjustment Period Start	
		155	Adjustment Period End	
		193	Period Start	
		194	Period End	
		198	Completion	
			Date when the activity was completed	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: TXI Tax Information**Position:** 080**Loop:** LX Optional**Level:** Detail**Usage:** Optional**Max Use:** >1**Purpose:** To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

- Semantic Notes:**
- 1 TXI02 is the monetary amount of the tax.
 - 2 TXI03 is the tax percent expressed as a decimal.
 - 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: *When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			<i>CA City Tax</i>	
			<i>FD Federal Tax</i>	
			<i>FI Federal Income Tax Withholding</i>	
			<i>FT Federal Excise Tax</i>	
			<i>FR Franchise Tax</i>	
			<i>GR Gross Receipts Tax</i>	
			<i>LS State and Local Sales Tax</i>	
			<i>MP Municipal Tax</i>	
			<i>OT Occupation Tax</i>	
			<i>PS Service Tax</i>	
			<i>SA State or Provincial Fuel Tax</i>	
			<i>SC School Tax</i>	
			<i>SE Excise Tax</i>	
			<i>TD Handicap Deaf Tax</i>	
			<i>UL Business Tax</i>	
			<i>ZE 911 Tax</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount	X R 1/18
			Monetary amount	
	TXI03	954	Percent	X R 1/10

Percentage expressed as a decimal

Tax rate for this tax jurisdiction.

TXI04	955	Tax Jurisdiction Code Qualifier	X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	
TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
		5 Exempt (Not For Resale)	
		8 Exempt (Sale to U.S. Government)	
		9 Exempt (Per State Law)	
		C Not Taxable	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		O Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **QTY** Quantity
Position: 090
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
		01	Discrete Quantity	
		02	Cumulative Quantity	
		27	Committed Quantity	
		38	Original Quantity	
		47	Primary Net Quantity	
		90	Acknowledged Quantity	
			Network Recognition for message receipt	
		91	Additional Usage Quantity	
			The amount of usage incurred above the allotted or allowable use for a service	
		92	Allotted Usage Quantity	
			The amount of allowable usage related to a service	
		93	Attendant-Handled Quantity	
			Manual Recognition for message receipt	
		94	Billable Quantity	
			Number of billable units used	
		95	Data Storage Quantity	
			Number of storage units used	
		96	Non-Billable Quantity	
			Number of non-billable units	
		97	Non-Urgent Delivery Quantity	
			Number of units delivered in non-urgent status	
		98	Overflow Quantity	
			Number of overflow messages, (Busy condition count	

				for 800 service)
		99	Quantity Used	
			Quantity of units used	
		AA	Unacknowledged Quantity	
			Message received without network, or attendant recognition	
		AB	Urgent Delivery Quantity	
			Number of units delivered in urgent status	
		AC	Voice Storage Quantity	
			Number of voice storage units used	
		AD	Maintenance Units	
			Number of units of maintenance provided	
		AE	Minimum Average Time Requirement (MATR) Units	
			Number of units calculated at a minimum usage rating basis, such as X minutes per message	
		AF	Wide Area Telephone Service (WATS)/800 Service Units	
			Number of units of usage, for WATS or 800 service	
		AG	Number of End Users	
			Number of participating users	
		AH	Number of Message Recipients	
			Number of recipients	
		AI	Number of Operator Credits	
			Number of operator credits given	
		AJ	Daily Adjustments	
		NS	Number of Stations	
			Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example	
Must Use	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	
	QTY03	C001	Composite Unit of Measure	O
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		03	Seconds	
		12	Packet	
		1X	Quarter Mile	
		AD	Bytes	
			A computer string of data that consists of a quantity	

	of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AL	Access Lines Number of lines subject to Carrier Access Line Charges
C0	Calls Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records Number of Data Records handled
DY	Directory Books Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters Kilocharacters of data transmitted
KF	Kilopackets Kilopackets of data transmitted
KJ	Kilosegments Kilosegments of data transmitted
M0	Magnetic Tapes Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter

NF	Messages Number of Messages transmitted, or delivered
NH	Message Hours Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile Number of FAX pages transmitted
QB	Pages - Hardcopy Number of printed pages delivered
QH	Quarter Hours Number of 15 minute increments of usage handled
RS	Resets Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions Number of interactive sessions handled
S7	Storage Units Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports Number of network access ports
UD	Tenth Minutes Number of 6 second increments of usage
UE	Tenth Hours Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Segment:	SI Service Characteristic Identification
Position:	100
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify service characteristic data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SI04 or SI05 is present, then the other is required. 2 If either SI06 or SI07 is present, then the other is required. 3 If either SI08 or SI09 is present, then the other is required. 4 If either SI10 or SI11 is present, then the other is required. 5 If either SI12 or SI13 is present, then the other is required. 6 If either SI14 or SI15 is present, then the other is required. 7 If either SI16 or SI17 is present, then the other is required. 8 If either SI18 or SI19 is present, then the other is required. 9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	<p><i>1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".</i></p> <p><i>2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.</i></p>

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	SI01	559 Agency Qualifier Code	M ID 2/2	
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier	M AN 2/2	
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID	M AN 1/48	
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier	X AN 2/2	
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID	X AN 1/48	
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier	X AN 2/2	
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID	X AN 1/48	

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment:	NM1 Individual or Organizational Name
Position:	110
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To supply the full name of an individual or organizational entity
Syntax Notes:	1 If either NM108 or NM109 is present, then the other is required. 2 If NM111 is present, then NM110 is required.
Semantic Notes:	1 NM102 qualifies NM103.
Comments:	1 NM110 and NM111 further define the type of entity in NM101.
Notes:	<i>When submitting the 811 to any federal agency, use of the NM1 loop is optional when HL03 is "2", "3", "5", "6", or "7", and is required when HL03 is "1".</i>

Data Element Summary

Ref.	Data	
<u>Des.</u>	<u>Element</u>	<u>Name</u>
M	NM101	98 Entity Identifier Code
		Code identifying an organizational entity, a physical location, property or an individual
		<i>1. "SJ" is the only valid code at HL1 (Service Provider Level).</i>
		<i>2. "OB" and "P9" are invalid at HL2 (Billing Arrangement Level) and HL3 (Sub-Billing Arrangement Level).</i>
		<i>3. "C3", "CT", "GP", "IA", "OB", and "P9" are the only valid codes at HL5 (Category Level), HL6 (Subcategory Level) and HL7 (Type Level).</i>
		AG Agent/Agency
		AK Party to Whom Acknowledgment Should Be Sent
		AO Account Of
		BS Bill and Ship To
		C3 Circuit Location Identifier
		Identifies the address information as that which is assigned to a circuit location address
		CA Carrier
		CT Country of Origin
		EN End User
		GP Gateway Provider
		Identifies a gateway access provider
		IA Installed At
		NN Network Name
		Identifies the name of the telecommunications network, e.g., Envoy

OB	Ordered By
P9	Primary Interexchange Carrier (PIC) Identifies the carrier who will handle the interexchange calls
PE	Payee
PM	Party to receive paper Memo of Invoice
PR	Payer
RI	Remit To
RL	Reporting Location
SE	Selling Party
SJ	Service Provider Identifies name and address information as pertaining to a service provider for which billing is being rendered

M	NM102	1065	Entity Type Qualifier	M	ID 1/1
			Code qualifying the type of entity		
			<i>Use only code "2" for federal government invoices.</i>		
		2	Non-Person Entity		
	NM103	1035	Name Last or Organization Name	O	AN 1/35
			Individual last name or organizational name		
	NM104	1036	Name First	O	AN 1/25
			Individual first name		
	NM105	1037	Name Middle	O	AN 1/25
			Individual middle name or initial		
	NM106	1038	Name Prefix	O	AN 1/10
			Prefix to individual name		
	NM107	1039	Name Suffix	O	AN 1/10
			Suffix to individual name		
	NM108	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
		1	D-U-N-S Number, Dun & Bradstreet		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		10	Department of Defense Activity Address Code (DODAAC)		
		33	Commercial and Government Entity (CAGE)		
		40	Electronic Mail User Code Identifies the Electronic Mail User locally defined and maintained between trading partners		
		41	Telecommunications Carrier Identification Code Identifies the Interexchange carrier for the charges being billed		

42	Telecommunications Pseudo Carrier Identification Code A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent
ZY	Temporary Identification Number A temporary ID to be used until a permanent ID is processed

NM109	67	Identification Code	X AN 2/80
		Code identifying a party or other code	

Segment: **N2** Additional Name Information
Position: 120
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: *When submitting the 811 to any federal agency, use of the N2 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

Segment: **N3** Address Information
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: *When submitting the 811 to any federal agency, use of the N3 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166 Address Information Address information	M AN 1/55
	N302	166 Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 140
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: *When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		AC City and State	
		CC Country	
		CI City	
		SP State/Province	
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment:	REF Reference Identification
Position:	150
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<i>When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".</i>

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		<i>"10", "CR", "EF", "GT", "IV", "LB", "RT", "TF" and "VC" are the only valid codes at HLI (Service Provider Level).</i>	
		01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)
		03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)
		05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)
		10	Account Managers Code
			Identifies the telecommunications manager assigned to this account
		11	Account Number
			Number identifies a telecommunications industry account
		12	Billing Account
			Account number under which billing is rendered
		13	Horizontal Coordinate
			Positional address, horizontal component. The assigned address is based upon a grid mapping scheme
		14	Master Account Number
			Account number used to represent individual billing accounts which have been consolidated and/or summarized
		15	Vertical Coordinate

	Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme
3J	Office Number
BC	Buyer's Contract Number
CA	Cost Allocation Reference
CO	Customer Order Number
CR	Customer Reference Number
CT	Contract Number
DP	Department Number
E9	Attachment Code
	Supplementary reference information
EF	Electronic Funds Transfer ID Number
EM	Electronic Payment Reference Number
EU	End User's Purchase Order Number
F8	Original Reference Number
GC	Government Contract Number
GT	Goods and Service Tax Registration Number
HB	Bill & Hold Invoice Number
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
OW	Service Order Number
	Number assigned when a customer orders service and equipment and which appears on bill
PO	Purchase Order Number
PX	Previous Invoice Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number

REF02	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
REF03	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **PER** **Administrative Communications Contact**

Position: 160

Loop: NM1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		AD	Accounting Department	
		BD	Buyer Name or Department	
		BI	Bill Inquiry Contact	
			Service Provider contact for making inquiries about information on the invoice	
		CC	Computer Systems Contact	
		DA	Directory Advertising Contact	
			Service Provider contact for questions about, and changes to, directory advertising	
		IC	Information Contact	
		MA	Maintenance Contact	
			Service Provider contact for requesting service maintenance, or reporting problems	
		OC	Order Contact	
		OD	Order Department	
		PM	Product Manager	
		QA	Quality Assurance Contact	
		SR	Sales Representative or Department	
		TR	Technical Marketing Representative	
	PER02	93	Name	O AN 1/60
			Free-form name	

PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER06	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	

Segment:	TXI Tax Information
Position:	170
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify tax information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TXI02 TXI03 or TXI06 is required. 2 If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	
Notes:	<i>When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "1", "2", "3", "5", "6" or "7".</i>

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			CA City Tax	
			FD Federal Tax	
			FI Federal Income Tax Withholding	
			FT Federal Excise Tax	
			FR Franchise Tax	
			GR Gross Receipts Tax	
			LS State and Local Sales Tax	
			MP Municipal Tax	
			OT Occupation Tax	
			PS Service Tax	
			SA State or Provincial Fuel Tax	
			SC School Tax	
			SE Excise Tax	
			TD Handicap Deaf Tax	
			UL Business Tax	
			ZE 911 Tax	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount	X R 1/18
			Monetary amount	
	TXI03	954	Percent	X R 1/10

Percentage expressed as a decimal

Tax rate for this jurisdiction.

TXI04	955	Tax Jurisdiction Code Qualifier	X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	
TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
		5 Exempt (Not For Resale)	
		8 Exempt (Sale to U.S. Government)	
		9 Exempt (Per State Law)	
		C Not Taxable	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		O Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment:	ITA Allowance, Charge or Service
Position:	180
Loop:	ITA Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:	<i>When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "1", "2", "3", "5", "6", or "7".</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	

		06	Charge to be Paid by Customer	
		ZZ	Mutually Defined	
ITA05	341	Allowance or Charge Number		O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge		
ITA07	360	Allowance or Charge Total Amount		O N2 1/15
		Total dollar amount for the allowance or charge		
ITA08	378	Allowance/Charge Percent Qualifier		O ID 1/1
		Code indicating on what basis allowance or charge percent is calculated		
		9	Late Payment Charge Base Amount	
			Amount outstanding after the past due date, and subject to a late payment charge	
ITA09	332	Percent		X R 1/6
		Percent expressed as a percent		
ITA10	380	Quantity		X R 1/15
		Numeric value of quantity		
ITA11	355	Unit or Basis for Measurement Code		X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		03	Seconds	
		12	Packet	
		1X	Quarter Mile	
		AD	Bytes	
			A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit	
		AH	Additional Minutes	
			The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service	
		AL	Access Lines	
			Number of lines subject to Carrier Access Line Charges	
		C0	Calls	
			Number of calls handled	
		DA	Days	
		DC	Disk (Disc)	
		DH	Miles	
		DK	Kilometers	
		DQ	Data Records	
			Number of Data Records handled	
		DY	Directory Books	
			Number of directory books delivered to customer	

EA	Each
EB	Electronic Mail Boxes Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters Kilocharacters of data transmitted
KF	Kilopackets Kilopackets of data transmitted
KJ	Kilosegments Kilosegments of data transmitted
M0	Magnetic Tapes Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages Number of Messages transmitted, or delivered
NH	Message Hours Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile Number of FAX pages transmitted
QB	Pages - Hardcopy Number of printed pages delivered
QH	Quarter Hours Number of 15 minute increments of usage handled

RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

ITA13 352 Description X AN 1/80
A free-form description to clarify the related data elements and their content

ITA14 150 Special Charge or Allowance Code X ID 3/3
Code identifying type of special charge or allowance
See TCIF Section 10.4 for valid values.

Refer to 004010 Data Element Dictionary for acceptable code values.

ITA16 662 Relationship Code O ID 1/1
Code indicating the relationship between entities
Code "I" is only valid in HLs 4 - 9.

A	Add
D	Delete
I	Included
O	Information Only
	Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment: DTM Date/Time Reference**Position:** 190**Loop:** ITA Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:**Comments:**

Notes: *When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
		001	Cancel After	
		003	Invoice	
		007	Effective	
		009	Process	
		035	Delivered	
		092	Contract Effective	
		093	Contract Expiration	
		102	Issue	
		150	Service Period Start	
		151	Service Period End	
		152	Effective Date of Change	
			Date on which the change went into effect	
		153	Service Interruption	
		154	Adjustment Period Start	
		155	Adjustment Period End	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: TXI Tax Information**Position:** 200**Loop:** ITA Optional**Level:** Detail**Usage:** Optional**Max Use:** >1**Purpose:** To specify tax information

Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: *When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	TXI01	963 Tax Type Code	M	ID 2/2
		Code specifying the type of tax		
		<i>Use any code. The listed codes are preferred.</i>		
		CA City Tax		
		FD Federal Tax		
		FI Federal Income Tax Withholding		
		FT Federal Excise Tax		
		FR Franchise Tax		
		GR Gross Receipts Tax		
		LS State and Local Sales Tax		
		MP Municipal Tax		
		OT Occupation Tax		
		PS Service Tax		
		SA State or Provincial Fuel Tax		
		SC School Tax		
		SE Excise Tax		
		TD Handicap Deaf Tax		
		UL Business Tax		
		ZE 911 Tax		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
	TXI02	782 Monetary Amount	X	R 1/18
		Monetary amount		
	TXI03	954 Percent	X	R 1/10

Percentage expressed as a decimal

Tax rate for this jurisdiction.

TXI04	955	Tax Jurisdiction Code Qualifier	X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	
TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
		5 Exempt (Not For Resale)	
		8 Exempt (Sale to U.S. Government)	
		9 Exempt (Per State Law)	
		C Not Taxable	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		O Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 210
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax Notes:

- 1 If any of IT102 IT103 or IT104 is present, then all are required.
- 2 If either IT106 or IT107 is present, then the other is required.
- 3 If either IT108 or IT109 is present, then the other is required.
- 4 If either IT110 or IT111 is present, then the other is required.
- 5 If either IT112 or IT113 is present, then the other is required.
- 6 If either IT114 or IT115 is present, then the other is required.
- 7 If either IT116 or IT117 is present, then the other is required.
- 8 If either IT118 or IT119 is present, then the other is required.
- 9 If either IT120 or IT121 is present, then the other is required.
- 10 If either IT122 or IT123 is present, then the other is required.
- 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

Comments:

- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
- 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: *1. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.*

2. When submitting the 811 to any federal agency, use of the IT1 segment is required when HL03 is "4".

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
IT101	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	IT102	358 Quantity Invoiced	X R 1/10
		Number of units invoiced (supplier units)	
Must Use	IT103	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

When IT103 = "M4" - Rules of extended pricing do not apply.

Proposed TCIF change - At least one M4 code must be used if there are charges at the subordinate levels (5-9). When M4 is used, IT104 equals the roll up from lower levels (see TCIF summing rules in TCIF Section

			7.3).	
			EA	Each
			M4	Monetary Value
			MO	Months
Must Use	IT104	212	Unit Price	X R 1/17
			Price per unit of product, service, commodity, etc.	
	IT105	639	Basis of Unit Price Code	O ID 2/2
			Code identifying the type of unit price for an item	
			BD	Before Discount
			Full amount for the service prior to application of any appropriate discounts	
			CP	Current Price (Subject to Change)
			CT	Contract
			PE	Price per Each
			PM	Monthly Price Per Unit
			TE	Contract Price per Each
	IT106	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			SV	Service Rendered
	IT107	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
			<i>See TCIF section 10.4 for valid values.</i>	

Segment:	SI Service Characteristic Identification
Position:	220
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SI04 or SI05 is present, then the other is required. 2 If either SI06 or SI07 is present, then the other is required. 3 If either SI08 or SI09 is present, then the other is required. 4 If either SI10 or SI11 is present, then the other is required. 5 If either SI12 or SI13 is present, then the other is required. 6 If either SI14 or SI15 is present, then the other is required. 7 If either SI16 or SI17 is present, then the other is required. 8 If either SI18 or SI19 is present, then the other is required. 9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	<p><i>1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "4".</i></p> <p><i>2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.</i></p>

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	SI01	559 Agency Qualifier Code		M ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier		M AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID		M AN 1/48
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID		X AN 1/48
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID		X AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment:	PID Product/Item Description
Position:	230
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05.
Comments:	<ol style="list-style-type: none"> 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<i>When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "4".</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	PID03	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		AS Assigned by Seller	
	PID04	751 Product Description Code	X AN 1/12
		A code from an industry code list which provides specific data about a product characteristic	
	PID05	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **INC** **Installment Information**
Position: 240
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify installment billing arrangement
Syntax Notes:
Semantic Notes:

- 1 INC02 is the installment period (e.g., months).
- 2 INC03 is the total number of installments.
- 3 INC04 is the number of the current installment.
- 4 INC05 is the installment balance after the current installment is applied.

Comments:
Notes: *When submitting the 811 to any federal agency, use of the INC segment is optional when HL03 is "4".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	INC01	336	Terms Type Code	M ID 2/2
			Code identifying type of payment terms	
			04 Deferred or Installment	
M	INC02	C001	Composite Unit of Measure	M
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			MO Months	
M	INC03	380	Quantity	M R 1/15
			Numeric value of quantity	
			<i>Indicates the total number of installments.</i>	
M	INC04	380	Quantity	M R 1/15
			Numeric value of quantity	
			<i>Indicates the number of current installments.</i>	
	INC05	782	Monetary Amount	O R 1/18
			Monetary amount	
			<i>Balance remaining after this installment is billed.</i>	

Segment:	TXI Tax Information
Position:	250
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify tax information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TXI02 TXI03 or TXI06 is required. 2 If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	
Notes:	<i>When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "4".</i>

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>ID</u>
M	TXI01	963
	Tax Type Code	M ID 2/2
	Code specifying the type of tax	
	<i>Use any code. The listed codes are preferred.</i>	
	<i>CA City Tax</i>	
	<i>FD Federal Tax</i>	
	<i>FI Federal Income Tax Withholding</i>	
	<i>FT Federal Excise Tax</i>	
	<i>FR Franchise Tax</i>	
	<i>GR Gross Receipts Tax</i>	
	<i>LS State and Local Sales Tax</i>	
	<i>MP Municipal Tax</i>	
	<i>OT Occupation Tax</i>	
	<i>PS Service Tax</i>	
	<i>SA State or Provincial Fuel Tax</i>	
	<i>SC School Tax</i>	
	<i>SE Excise Tax</i>	
	<i>TD Handicap Deaf Tax</i>	
	<i>UL Business Tax</i>	
	<i>ZE 911 Tax</i>	
	Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02	782
	Monetary Amount	X R 1/18
	Monetary amount	
	<i>Proposed TCIF change to summing rules - This amount will be the roll</i>	

<i>up of subordinate TXI segment billed amounts.</i>		
TXI03	954	Percent X R 1/10 Percentage expressed as a decimal
<i>Tax rate for this jurisdiction.</i>		
TXI04	955	Tax Jurisdiction Code Qualifier X ID 2/2 Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.
TXI05	956	Tax Jurisdiction Code X AN 1/10 Code identifying the taxing jurisdiction
TXI06	441	Tax Exempt Code X ID 1/1 Code identifying exemption status from sales and use tax 1 Yes (Tax Exempt) 2 No (Not Tax Exempt) 5 Exempt (Not For Resale) 8 Exempt (Sale to U.S. Government) 9 Exempt (Per State Law) C Not Taxable
TXI07	662	Relationship Code O ID 1/1 Code indicating the relationship between entities A Add D Delete O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)
TXI08	828	Dollar Basis For Percent O R 1/9 Dollar basis to be used in the percent calculation of the allowance, charge or tax
TXI09	325	Tax Identification Number O AN 1/20 Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number
TXI10	350	Assigned Identification O AN 1/20 Alphanumeric characters assigned for differentiation within a transaction set

Segment:	REF Reference Identification
Position:	260
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	8
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<i>When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "4".</i>

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			<i>Refer to code list provided in the REF segment in Table 2 position 50.</i>	
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **DTM** **Date/Time Reference**

Position: 270

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes:

- 1** At least one of DTM02 DTM03 or DTM05 is required.
- 2** If DTM04 is present, then DTM03 is required.
- 3** If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "4".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
		001	Cancel After	
		003	Invoice	
		007	Effective	
		009	Process	
		035	Delivered	
		050	Received	
		092	Contract Effective	
		093	Contract Expiration	
		102	Issue	
		150	Service Period Start	
		151	Service Period End	
		152	Effective Date of Change	
			Date on which the change went into effect	
		153	Service Interruption	
		154	Adjustment Period Start	
		155	Adjustment Period End	
		201	Acceptance	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **MSG** Message Text
Position: 280
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide a free-form format that allows the transmission of text information
Syntax Notes: 1 If MSG03 is present, then MSG02 is required.
Semantic Notes: 1 MSG03 is the number of lines to advance before printing.
Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
Notes: *When submitting the 811 to any federal agency, use of the MSG segment is optional when HL03 is "4".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	MSG01	933	Free-Form Message Text	M AN 1/264
			Free-form message text	

Segment: **QTY** Quantity
Position: 290
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY segment is optional when HL03 is "4".*

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			<i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	
Must Use	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	
	QTY03	C001	Composite Unit of Measure	O
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	

Segment:	SI Service Characteristic Identification
Position:	300
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify service characteristic data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SI04 or SI05 is present, then the other is required. 2 If either SI06 or SI07 is present, then the other is required. 3 If either SI08 or SI09 is present, then the other is required. 4 If either SI10 or SI11 is present, then the other is required. 5 If either SI12 or SI13 is present, then the other is required. 6 If either SI14 or SI15 is present, then the other is required. 7 If either SI16 or SI17 is present, then the other is required. 8 If either SI18 or SI19 is present, then the other is required. 9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	<p><i>1. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.</i></p> <p><i>2. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "4".</i></p>

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	SI01	559 Agency Qualifier Code		M ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier		M AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID		M AN 1/48
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID		X AN 1/48
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID		X AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment:	ITA Allowance, Charge or Service
Position:	310
Loop:	ITA Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:	<i>When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "4".</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	

		06	Charge to be Paid by Customer	
		ZZ	Mutually Defined	
ITA05	341	Allowance or Charge Number		O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge		
ITA06	359	Allowance or Charge Rate		O R 1/15
		Allowance or Charge Rate per Unit		
ITA07	360	Allowance or Charge Total Amount		O N2 1/15
		Total dollar amount for the allowance or charge		
ITA08	378	Allowance/Charge Percent Qualifier		O ID 1/1
		Code indicating on what basis allowance or charge percent is calculated		
		9	Late Payment Charge Base Amount	
			Amount outstanding after the past due date, and subject to a late payment charge	
ITA09	332	Percent		X R 1/6
		Percent expressed as a percent		
ITA10	380	Quantity		X R 1/15
		Numeric value of quantity		
ITA11	355	Unit or Basis for Measurement Code		X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>		
ITA13	352	Description		X AN 1/80
		A free-form description to clarify the related data elements and their content		
ITA14	150	Special Charge or Allowance Code		X ID 3/3
		Code identifying type of special charge or allowance		
		<i>See TCIF Section 10.4 for valid values.</i>		
ITA16	662	Relationship Code		O ID 1/1
		Code indicating the relationship between entities		
		Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **DTM** **Date/Time Reference**

Position: 320

Loop: ITA Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes:

- 1** At least one of DTM02 DTM03 or DTM05 is required.
- 2** If DTM04 is present, then DTM03 is required.
- 3** If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "4".*

Data Element Summary

	Ref.	Data			Attributes
			<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	DTM01	374		Date/Time Qualifier	M ID 3/3
				Code specifying type of date or time, or both date and time	
				001	Cancel After
				003	Invoice
				007	Effective
				009	Process
				035	Delivered
				092	Contract Effective
				093	Contract Expiration
				102	Issue
				150	Service Period Start
				151	Service Period End
				152	Effective Date of Change
					Date on which the change went into effect
				153	Service Interruption
				154	Adjustment Period Start
				155	Adjustment Period End
	DTM02	373		Date	X DT 8/8
				Date expressed as CCYYMMDD	

Segment:	TXI Tax Information
Position:	330
Loop:	ITA Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify tax information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TXI02 TXI03 or TXI06 is required. 2 If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	
Notes:	<i>When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "4".</i>

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			CA City Tax	
			FD Federal Tax	
			FI Federal Income Tax Withholding	
			FT Federal Excise Tax	
			FR Franchise Tax	
			GR Gross Receipts Tax	
			LS State and Local Sales Tax	
			MP Municipal Tax	
			OT Occupation Tax	
			PS Service Tax	
			SA State or Provincial Fuel Tax	
			SC School Tax	
			SE Excise Tax	
			TD Handicap Deaf Tax	
			UL Business Tax	
			ZE 911 Tax	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount	X R 1/18
			Monetary amount	
	TXI03	954	Percent	X R 1/10

Percentage expressed as a decimal

Tax rate for this jurisdiction.

TXI04	955	Tax Jurisdiction Code Qualifier	X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	
TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		O Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **NM1** **Individual or Organizational Name**
Position: 340
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: *When submitting the 811 to any federal agency, use of the NM1 segment is optional when HL03 is "4".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	NM101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		AG Agent/Agency	
		AK Party to Whom Acknowledgment Should Be Sent	
		AO Account Of	
		BS Bill and Ship To	
		C3 Circuit Location Identifier	
		Identifies the address information as that which is assigned to a circuit location address	
		CA Carrier	
		CT Country of Origin	
		EN End User	
		GP Gateway Provider	
		Identifies a gateway access provider	
		IA Installed At	
		P9 Primary Interexchange Carrier (PIC)	
		Identifies the carrier who will handle the interexchange calls	
		PE Payee	
		PM Party to receive paper Memo of Invoice	
		PR Payer	
		RI Remit To	
		RL Reporting Location	
		SE Selling Party	
		SJ Service Provider	

Identifies name and address information as pertaining to a service provider for which billing is being rendered

M	NM102	1065	Entity Type Qualifier	M ID 1/1
			Code qualifying the type of entity	
			<i>Use only code "2" in federal government invoices.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	NM103	1035	Name Last or Organization Name	O AN 1/35
			Individual last name or organizational name	
	NM104	1036	Name First	O AN 1/25
			Individual first name	
	NM105	1037	Name Middle	O AN 1/25
			Individual middle name or initial	
	NM106	1038	Name Prefix	O AN 1/10
			Prefix to individual name	
	NM107	1039	Name Suffix	O AN 1/10
			Suffix to individual name	
	NM108	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
		40	Electronic Mail User Code	
			Identifies the Electronic Mail User locally defined and maintained between trading partners	
		41	Telecommunications Carrier Identification Code	
			Identifies the Interexchange carrier for the charges being billed	
		42	Telecommunications Pseudo Carrier Identification Code	
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers	
		91	Assigned by Seller or Seller's Agent	
		92	Assigned by Buyer or Buyer's Agent	
		ZY	Temporary Identification Number	
			A temporary ID to be used until a permanent ID is processed	
	NM109	67	Identification Code	X AN 2/80

Code identifying a party or other code

***If N103 = "41" - Use Bellcore CIC list. If N103 = "42" - Use Pseudo
-CIC list provided in TCIF section 10.4.***

Segment: **N2** Additional Name Information
Position: 350
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: *When submitting the 811 to any federal agency, use of the N2 segment is optional when HL03 is "4".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93 Name Free-form name	M AN 1/60
	N202	93 Name Free-form name	O AN 1/60

Segment: **N3** Address Information
Position: 360
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: *When submitting the 811 to any federal agency, use of the N3 segment is optional when HL03 is "4".*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 370
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: *When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "4".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		AC City and State	
		CC Country	
		CI City	
		SP State/Province	
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment: **PER** **Administrative Communications Contact**

Position: 380

Loop: NM1 Optional

Level: Detail

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is "4".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		AD	Accounting Department	
		BD	Buyer Name or Department	
		BI	Bill Inquiry Contact	
			Service Provider contact for making inquiries about information on the invoice	
		CC	Computer Systems Contact	
		DA	Directory Advertising Contact	
			Service Provider contact for questions about, and changes to, directory advertising	
		IC	Information Contact	
		MA	Maintenance Contact	
			Service Provider contact for requesting service maintenance, or reporting problems	
		OC	Order Contact	
		OD	Order Department	
		PM	Product Manager	
		QA	Quality Assurance Contact	
		SR	Sales Representative or Department	
		TR	Technical Marketing Representative	
	PER02	93	Name	O AN 1/60
			Free-form name	

PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) <i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) <i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER06	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	

Segment:	SLN Subline Item Detail
Position:	390
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SLN04 or SLN05 is present, then the other is required. 2 If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required. 4 If either SLN09 or SLN10 is present, then the other is required. 5 If either SLN11 or SLN12 is present, then the other is required. 6 If either SLN13 or SLN14 is present, then the other is required. 7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required. 9 If either SLN19 or SLN20 is present, then the other is required. 10 If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required. 12 If either SLN25 or SLN26 is present, then the other is required. 13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 See the Data Element Dictionary for a complete list of IDs. 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	<ol style="list-style-type: none"> 1. <i>The SLN loop may only appear at HL8 (Charge Detail Level).</i> 2. <i>When submitting the 811 to any federal agency, use of the SLN loop is required when HL03 is "8".</i>

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	SLN01	350 Assigned Identification	M AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
	SLN02	350 Assigned Identification	O AN 1/20

			Alphanumeric characters assigned for differentiation within a transaction set	
M	SLN03	662	Relationship Code	M ID 1/1
			Code indicating the relationship between entities	
			I Included	
Must Use	SLN04	380	Quantity	X R 1/15
			Numeric value of quantity	
	SLN05	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>When SLN05.01 = "M4" Rules of extended pricing do not apply. Proposed TCIF change - When used, M4 equals the roll up from lower levels (see TCIF summing rules in TCIF Section 7.3).</i>	
			03	Seconds
			12	Packet
			1X	Quarter Mile
			AD	Bytes
				A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
			AH	Additional Minutes
				The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
			AL	Access Lines
				Number of lines subject to Carrier Access Line Charges
			C0	Calls
				Number of calls handled
			DA	Days
			DC	Disk (Disc)
			DH	Miles
			DK	Kilometers
			DQ	Data Records
				Number of Data Records handled
			DY	Directory Books
				Number of directory books delivered to customer
			EA	Each
			EB	Electronic Mail Boxes
				Number of Electronic Mail Boxes established for an

	account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.

		S6	Sessions Number of interactive sessions handled	
		S7	Storage Units Number of storage increments used	
		SG	Segment	
		T0	Telecommunications Lines in Service Snapshot sample of lines in service	
		UB	Telecommunications Lines in Service - Average Average number of lines in service specific to equal access requirements	
		UC	Telecommunications Ports Number of network access ports	
		UD	Tenth Minutes Number of 6 second increments of usage	
		UE	Tenth Hours Number of 6 minute increments of usage	
		UF	Usage per Telecommunications Line - Average	
		UN	Unit	
		ZZ	Mutually Defined	
SLN06	212	Unit Price		X R 1/17
			Price per unit of product, service, commodity, etc.	
SLN07	639	Basis of Unit Price Code		O ID 2/2
			Code identifying the type of unit price for an item	
		BD	Before Discount Full amount for the service prior to application of any appropriate discounts	
		CP	Current Price (Subject to Change)	
		CT	Contract	
		DP	Daily Price per Unit	
		PB	Annual Price Per Unit Price changed Once per Year	
		PE	Price per Each	
		PM	Monthly Price Per Unit	
		TE	Contract Price per Each	
		TP	Price per Thousand	
		WI	Weekly Price per Unit Price charged once per week	
SLN08	662	Relationship Code		O ID 1/1
			Code indicating the relationship between entities	
		A	Add	
		D	Delete	

I Included

O Information Only

Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

SLN09 235 Product/Service ID Qualifier X ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

SV Service Rendered

VP Vendor's (Seller's) Part Number

SLN10 234 Product/Service ID X AN 1/48

Identifying number for a product or service

If SLN09 = SV, then see TCIF Section 10.4 for valid values.

Segment:	SI Service Characteristic Identification
Position:	400
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SI04 or SI05 is present, then the other is required. 2 If either SI06 or SI07 is present, then the other is required. 3 If either SI08 or SI09 is present, then the other is required. 4 If either SI10 or SI11 is present, then the other is required. 5 If either SI12 or SI13 is present, then the other is required. 6 If either SI14 or SI15 is present, then the other is required. 7 If either SI16 or SI17 is present, then the other is required. 8 If either SI18 or SI19 is present, then the other is required. 9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	<p><i>1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".</i></p> <p><i>2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.</i></p>

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	SI01	559 Agency Qualifier Code		M ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier		M AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID		M AN 1/48
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID		X AN 1/48
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID		X AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment:	PID Product/Item Description
Position:	410
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05.
Comments:	<ol style="list-style-type: none"> 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<i>When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "8".</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	PID03	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		AS Assigned by Seller	
	PID04	751 Product Description Code	X AN 1/12
		A code from an industry code list which provides specific data about a product characteristic	
	PID05	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **CUR** Currency

Position: 420

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Notes: *When submitting the 811 to any federal agency, use of the CUR segment is optional when HL03 is "8".*

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
M	CUR01	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			PR Payer	
M	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
			<i>For additional values, request ISO document 4217.</i>	
			CAD Canadian Dollars	
			USD United States Dollars	
	CUR03	280	Exchange Rate	O R 4/10
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
	CUR04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or	

an individual

PE Payee

PM Party to receive paper Memo of Invoice

RI Remit To

SE Selling Party

SJ Service Provider

Identifies name and address information as pertaining to a service provider for which billing is being rendered

CUR05 100 Currency Code O ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

*CAD Canadian Dollars**USD United States Dollars***CUR06 669 Currency Market/Exchange Code O ID 3/3**

Code identifying the market upon which the currency exchange rate is based

IMF International Monetary Fund

LNF London (England) Exchange - First Closing

LNS London (England) Exchange - Second Closing

NYC New York Foreign Exchange

PHI Philadelphia Foreign Exchange

ZUR Zurich (Switzerland) Exchange

CUR07 374 Date/Time Qualifier X ID 3/3

Code specifying type of date or time, or both date and time

001 Cancel After

003 Invoice

007 Effective

009 Process

035 Delivered

092 Contract Effective

093 Contract Expiration

102 Issue

150 Service Period Start

151 Service Period End

152 Effective Date of Change

Date on which the change went into effect

153 Service Interruption

154 Adjustment Period Start

155 Adjustment Period End

CUR08 373 Date O DT 8/8

Date expressed as CCYYMMDD

CUR09	337	Time	O TM 4/8
<p>Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)</p>			

Segment: **INC** **Installment Information**
Position: 430
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify installment billing arrangement
Syntax Notes:
Semantic Notes:

- 1 INC02 is the installment period (e.g., months).
- 2 INC03 is the total number of installments.
- 3 INC04 is the number of the current installment.
- 4 INC05 is the installment balance after the current installment is applied.

Comments:
Notes: *When submitting the 811 to any federal agency, use of the INC segment is optional when HL03 is "8".*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	INC01	336	Terms Type Code	M ID 2/2
			Code identifying type of payment terms	
			04 Deferred or Installment	
M	INC02	C001	Composite Unit of Measure	M
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			MO Months	
M	INC03	380	Quantity	M R 1/15
			Numeric value of quantity	
			<i>Indicates the total number of installments.</i>	
M	INC04	380	Quantity	M R 1/15
			Numeric value of quantity	
			<i>Indicates number of current installments.</i>	
	INC05	782	Monetary Amount	O R 1/18
			Monetary amount	
			<i>Balance remaining after this installment is billed.</i>	

Segment:	ITA Allowance, Charge or Service
Position:	440
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:	<i>When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "8".</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	

		06	Charge to be Paid by Customer	
		ZZ	Mutually Defined	
ITA05	341	Allowance or Charge Number		O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge		
ITA06	359	Allowance or Charge Rate		O R 1/15
		Allowance or Charge Rate per Unit		
ITA07	360	Allowance or Charge Total Amount		O N2 1/15
		Total dollar amount for the allowance or charge		
ITA08	378	Allowance/Charge Percent Qualifier		O ID 1/1
		Code indicating on what basis allowance or charge percent is calculated		
		9	Late Payment Charge Base Amount	
			Amount outstanding after the past due date, and subject to a late payment charge	
ITA09	332	Percent		X R 1/6
		Percent expressed as a percent		
ITA10	380	Quantity		X R 1/15
		Numeric value of quantity		
ITA11	355	Unit or Basis for Measurement Code		X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>		
ITA13	352	Description		X AN 1/80
		A free-form description to clarify the related data elements and their content		
ITA14	150	Special Charge or Allowance Code		X ID 3/3
		Code identifying type of special charge or allowance		
		<i>See TCIF Section 10.4 for valid values.</i>		
ITA16	662	Relationship Code		O ID 1/1
		Code indicating the relationship between entities		
		A	Add	
		D	Delete	
		I	Included	
		O	Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		

Segment:	TXI Tax Information
Position:	450
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify tax information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TXI02 TXI03 or TXI06 is required. 2 If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	
Notes:	<i>When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "8".</i>

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			CA City Tax	
			FD Federal Tax	
			FI Federal Income Tax Withholding	
			FT Federal Excise Tax	
			FR Franchise Tax	
			GR Gross Receipts Tax	
			LS State and Local Sales Tax	
			MP Municipal Tax	
			OT Occupation Tax	
			PS Service Tax	
			SA State or Provincial Fuel Tax	
			SC School Tax	
			SE Excise Tax	
			TD Handicap Deaf Tax	
			UL Business Tax	
			ZE 911 Tax	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount	X R 1/18
			Monetary amount	
	TXI03	954	Percent	X R 1/10

Percentage expressed as a decimal

Tax rate for this jurisdiction.

TXI04	955	Tax Jurisdiction Code Qualifier	X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	
TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		I Included	
		O Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment:	REF Reference Identification
Position:	460
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<i>When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "8".</i>

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			<i>Refer to code list provided in the REF segment in Table 2 position 50.</i>	
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **PER** **Administrative Communications Contact**

Position: 470

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is "8".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		AD	Accounting Department	
		BD	Buyer Name or Department	
		BI	Bill Inquiry Contact	
			Service Provider contact for making inquiries about information on the invoice	
		CC	Computer Systems Contact	
		DA	Directory Advertising Contact	
			Service Provider contact for questions about, and changes to, directory advertising	
		IC	Information Contact	
		MA	Maintenance Contact	
			Service Provider contact for requesting service maintenance, or reporting problems	
		OC	Order Contact	
		OD	Order Department	
		PM	Product Manager	
		QA	Quality Assurance Contact	
		SR	Sales Representative or Department	
		TR	Technical Marketing Representative	
	PER02	93	Name	O AN 1/60
			Free-form name	

PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER06	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	

Segment: DTM Date/Time Reference**Position:** 480**Loop:** SLN Optional**Level:** Detail**Usage:** Optional**Max Use:** 10**Purpose:** To specify pertinent dates and times

- Syntax Notes:**
- 1** At least one of DTM02 DTM03 or DTM05 is required.
 - 2** If DTM04 is present, then DTM03 is required.
 - 3** If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:**Comments:**

Notes: *When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "8".*

Data Element Summary

M	Ref.	Data			Attributes
	Des.	Element	Name		M ID 3/3
	DTM01	374	Date/Time Qualifier		
			Code specifying type of date or time, or both date and time		
			001	Cancel After	
			003	Invoice	
			007	Effective	
			009	Process	
			035	Delivered	
			050	Received	
			092	Contract Effective	
			093	Contract Expiration	
			102	Issue	
			150	Service Period Start	
			151	Service Period End	
			152	Effective Date of Change	
				Date on which the change went into effect	
			153	Service Interruption	
			154	Adjustment Period Start	
			155	Adjustment Period End	
			201	Acceptance	
	DTM02	373	Date		X DT 8/8
			Date expressed as CCYYMMDD		

Segment: **AMT** Monetary Amount
Position: 490
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 15
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Notes: *When submitting the 811 to any federal agency, use of the AMT segment is optional when HL03 is "8".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522 Amount Qualifier Code	M ID 1/3
		Code to qualify amount	
		1 Line Item Total	
		5 Total Invoice Amount	
		6 Amount Subject to Total Monetary Discount	
		8 Total Monetary Discount Amount	
		AD Adjusted Total	
		AP Amount Prior to Fractionalization	
		Full charge amount for the service per service period, prior to pro-rated fractionalization due to partial period billing	
		AQ Average Price Per Call	
		The total amount of money associated with a category of calls divided by the total number of calls within the category calculated to provide call summary details	
		AS Average Price Per Minute	
		The total amount of money associated with a category of calls divided by the total number of minutes within the category calculated to provide call summary details	
		AX Previous Price	
		BT Bank Reject Total	
		CH Change Amount	
		CS Commission Sales	
		Those sales used to calculate commission payments	
		CT Contract	
		Indicates the value stated in the contract	
		KO Committed Amount	

LI	Line Item Unit Price
N	Net
	Indicates the value remaining after all deductions and adjustments have been made
NA	Net Adjustment
NO	Non Commission Sales
	Those sales not included for commission payment calculation
NS	Net Savings Amount
	Amount of dollar saving resulting from the use of service, such as Optional Calling Plans
PB	Billed Amount
	Total amount due on the period bill
SC	Total Service Charge
TP	Total payment amount
TS	Total Sales
	The total of commission and non commission sales needed to calculate intersell amount
TT	Total Transaction Amount

M	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	

Segment: **MSG** Message Text

Position: 500

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To provide a free-form format that allows the transmission of text information

Syntax Notes: 1 If MSG03 is present, then MSG02 is required.

Semantic Notes: 1 MSG03 is the number of lines to advance before printing.

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Notes: *When submitting the 811 to any federal agency, use of the MSG segment is optional when HL03 is "8".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	MSG01	933 Free-Form Message Text	M AN 1/264
		Free-form message text	

Segment: **QTY** Quantity
Position: 510
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "8".*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	QTY01	673	Quantity Qualifier		M ID 2/2
			Code specifying the type of quantity		
			<i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>		
Must Use	QTY02	380	Quantity		X R 1/15
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure		O
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	Unit or Basis for Measurement Code		M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>		

Segment: SI Service Characteristic Identification**Position:** 520**Loop:** QTY Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify service characteristic data

Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:**Comments:** 1 SI01 defines the source for each of the service characteristics qualifiers.**Notes:** 1. *When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".*2. *See TCIF section 10.4 for valid values when using data element 1000/234 pairs.***Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	SI01	559 Agency Qualifier Code	M	ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier	M	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID	M	AN 1/48
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **NM1** **Individual or Organizational Name**
Position: 530
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: *When submitting the 811 to any federal agency, use of the NM1 segment is optional when HL03 is "8".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	NM101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		AG Agent/Agency	
		AK Party to Whom Acknowledgment Should Be Sent	
		AO Account Of	
		BS Bill and Ship To	
		C3 Circuit Location Identifier	
		Identifies the address information as that which is assigned to a circuit location address	
		CA Carrier	
		CT Country of Origin	
		EN End User	
		GP Gateway Provider	
		Identifies a gateway access provider	
		IA Installed At	
		P9 Primary Interexchange Carrier (PIC)	
		Identifies the carrier who will handle the interexchange calls	
		PE Payee	
		PM Party to receive paper Memo of Invoice	
		PR Payer	
		RI Remit To	
		RL Reporting Location	
		SE Selling Party	
		SJ Service Provider	

Identifies name and address information as pertaining to a service provider for which billing is being rendered

M	NM102	1065	Entity Type Qualifier	M ID 1/1
			Code qualifying the type of entity	
			<i>Only use code "2" in federal government invoices.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	NM103	1035	Name Last or Organization Name	O AN 1/35
			Individual last name or organizational name	
	NM104	1036	Name First	O AN 1/25
			Individual first name	
	NM105	1037	Name Middle	O AN 1/25
			Individual middle name or initial	
	NM106	1038	Name Prefix	O AN 1/10
			Prefix to individual name	
	NM107	1039	Name Suffix	O AN 1/10
			Suffix to individual name	
	NM108	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
		40	Electronic Mail User Code	
			Identifies the Electronic Mail User locally defined and maintained between trading partners	
		41	Telecommunications Carrier Identification Code	
			Identifies the Interexchange carrier for the charges being billed	
		42	Telecommunications Pseudo Carrier Identification Code	
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers	
		91	Assigned by Seller or Seller's Agent	
		92	Assigned by Buyer or Buyer's Agent	
		ZY	Temporary Identification Number	
			A temporary ID to be used until a permanent ID is processed	
	NM109	67	Identification Code	X AN 2/80

Code identifying a party or other code

***If N103 = "41" - Use Bellcore CIC list. If N103 = "42" - Use Pseudo
-CIC list provided in TCIF section 10.4.***

Segment: N2 Additional Name Information**Position:** 540**Loop:** NM1 Optional**Level:** Detail**Usage:** Optional**Max Use:** 2**Purpose:** To specify additional names or those longer than 35 characters in length**Syntax Notes:****Semantic Notes:****Comments:****Notes:** *When submitting the 811 to any federal agency, use of the N2 segment is optional when HL03 is "8".***Data Element Summary**

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name Free-form name	M AN 1/60
	N202	93	Name Free-form name	O AN 1/60

Segment: **N3** Address Information
Position: 550
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: *When submitting the 811 to any federal agency, use of the N3 segment is optional when HL03 is "8".*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 560
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: *When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "8".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		AC City and State	
		CC Country	
		CI City	
		SP State/Province	
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment:	REF Reference Identification
Position:	570
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	8
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<i>When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "8".</i>

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		<i>Refer to code list provided in the REF segment in Table 2 position 50.</i>	
	REF02	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **PER** **Administrative Communications Contact**

Position: 580

Loop: NM1 Optional

Level: Detail

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is "8".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		AD	Accounting Department	
		BD	Buyer Name or Department	
		BI	Bill Inquiry Contact	
			Service Provider contact for making inquiries about information on the invoice	
		CC	Computer Systems Contact	
		DA	Directory Advertising Contact	
			Service Provider contact for questions about, and changes to, directory advertising	
		IC	Information Contact	
		MA	Maintenance Contact	
			Service Provider contact for requesting service maintenance, or reporting problems	
		OC	Order Contact	
		OD	Order Department	
		PM	Product Manager	
		QA	Quality Assurance Contact	
		SR	Sales Representative or Department	
		TR	Technical Marketing Representative	
	PER02	93	Name	O AN 1/60
			Free-form name	

PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER06	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	

Segment:	TCD Itemized Call Detail
Position:	590
Loop:	TCD Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify detail information for itemized calls
Syntax Notes:	<ol style="list-style-type: none"> 1 If either TCD04 or TCD05 is present, then the other is required. 2 If either TCD07 or TCD08 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 TCD12 is an undiscounted amount. 2 TCD13 is a net amount after the discount has been applied to the amount in TCD12. 3 TCD14 is an undiscounted amount. 4 TCD15 is a net amount after the discount has been applied to the amount in TCD14. 5 TCD16 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 TCD01 is the detail information. 2 TCD02 is the date of the call. 3 TCD03 is the connect time of the call. 4 TCD04, TCD05, and TCD06 are the 'to' location of the call. 5 TCD07, TCD08, and TCD09 are the 'from' location of the call. 6 TCD10 and TCD11 are the total duration of the call. TCD10 is the time measured in minutes or minutes and tenths of minutes. TCD11 is time measured in seconds or seconds and tenths of seconds.
Notes:	<ol style="list-style-type: none"> 1. <i>The TCD loop may only appear at the line detail level.</i> 2. <i>When submitting the 811 to any federal agency, use of a minimum of TCD or USD or both is required when HL03 is "9".</i>

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
TCD01	350 Assigned Identification	O AN 1/20
	Alphanumeric characters assigned for differentiation within a transaction set	
TCD02	373 Date	O DT 8/8
	Date expressed as CCYYMMDD	
TCD03	337 Time	O TM 4/8
	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	<i>Connect time of call.</i>	
TCD04	309 Location Qualifier	X ID 1/2

Code identifying type of location

Code identifying the type of "TO" location provided in TCD05 and TCD06.

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

AC	City and State
CC	Country
CI	City
SP	State/Province
ZZ	Mutually Defined

TCD05	310	Location Identifier	X	AN 1/30
--------------	------------	----------------------------	----------	----------------

Code which identifies a specific location

TCD06	156	State or Province Code	O	ID 2/2
--------------	------------	-------------------------------	----------	---------------

Code (Standard State/Province) as defined by appropriate government agency

TCD07	309	Location Qualifier	X	ID 1/2
--------------	------------	---------------------------	----------	---------------

Code identifying type of location

Code identifying the type of "FROM" location provided in TCD08 and TCD09.

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

AC	City and State
CC	Country
CI	City
SP	State/Province
ZZ	Mutually Defined

TCD08	310	Location Identifier	X	AN 1/30
--------------	------------	----------------------------	----------	----------------

Code which identifies a specific location

TCD09	156	State or Province Code	O	ID 2/2
--------------	------------	-------------------------------	----------	---------------

Code (Standard State/Province) as defined by appropriate government agency

TCD10	739	Measurement Value	O R 1/20
		The value of the measurement	
		<i>Duration of call measured in minutes and tenths of minutes.</i>	
TCD11	739	Measurement Value	O R 1/20
		The value of the measurement	
		<i>Duration of call measured in seconds and tenths of seconds.</i>	
TCD12	782	Monetary Amount	O R 1/18
		Monetary amount	
		<i>Undiscounted amount.</i>	
TCD13	782	Monetary Amount	O R 1/18
		Monetary amount	
		<i>Net amount after a discount has been applied to the amount in TCD12.</i>	
TCD14	782	Monetary Amount	O R 1/18
		Monetary amount	
		<i>Undiscounted amount.</i>	
TCD15	782	Monetary Amount	O R 1/18
		Monetary amount	
		<i>Net amount after a discount has been applied to the amount in TCD14.</i>	
TCD16	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		I Included	
		O Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	

Segment:	SI Service Characteristic Identification
Position:	600
Loop:	TCD Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SI04 or SI05 is present, then the other is required. 2 If either SI06 or SI07 is present, then the other is required. 3 If either SI08 or SI09 is present, then the other is required. 4 If either SI10 or SI11 is present, then the other is required. 5 If either SI12 or SI13 is present, then the other is required. 6 If either SI14 or SI15 is present, then the other is required. 7 If either SI16 or SI17 is present, then the other is required. 8 If either SI18 or SI19 is present, then the other is required. 9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	<p><i>1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".</i></p> <p><i>2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.</i></p>

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	SI01	559 Agency Qualifier Code		M ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier		M AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID		M AN 1/48
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID		X AN 1/48
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier		X AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID		X AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: TXI Tax Information**Position:** 610**Loop:** TCD Optional**Level:** Detail**Usage:** Optional**Max Use:** >1**Purpose:** To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

- Semantic Notes:**
- 1 TXI02 is the monetary amount of the tax.
 - 2 TXI03 is the tax percent expressed as a decimal.
 - 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: *When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "9".*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			CA City Tax	
			FD Federal Tax	
			FI Federal Income Tax Withholding	
			FT Federal Excise Tax	
			FR Franchise Tax	
			GR Gross Receipts Tax	
			LS State and Local Sales Tax	
			MP Municipal Tax	
			OT Occupation Tax	
			PS Service Tax	
			SA State or Provincial Fuel Tax	
			SC School Tax	
			SE Excise Tax	
			TD Handicap Deaf Tax	
			UL Business Tax	
			ZE 911 Tax	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount	X R 1/18
			Monetary amount	
	TXI03	954	Percent	X R 1/10

Percentage expressed as a decimal

Tax rate for this jurisdiction.

TXI04	955	Tax Jurisdiction Code Qualifier	X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	
TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		I Included	
		O Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment:	ITA Allowance, Charge or Service
Position:	615
Loop:	TCD Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:	<i>When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "9".</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	

		06	Charge to be Paid by Customer	
		ZZ	Mutually Defined	
ITA05	341	Allowance or Charge Number		O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge		
ITA07	360	Allowance or Charge Total Amount		O N2 1/15
		Total dollar amount for the allowance or charge		
ITA08	378	Allowance/Charge Percent Qualifier		O ID 1/1
		Code indicating on what basis allowance or charge percent is calculated		
		9	Late Payment Charge Base Amount	
			Amount outstanding after the past due date, and subject to a late payment charge	
ITA09	332	Percent		X R 1/6
		Percent expressed as a percent		
ITA10	380	Quantity		X R 1/15
		Numeric value of quantity		
ITA11	355	Unit or Basis for Measurement Code		X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>		
ITA13	352	Description		X AN 1/80
		A free-form description to clarify the related data elements and their content		
ITA14	150	Special Charge or Allowance Code		X ID 3/3
		Code identifying type of special charge or allowance		
		<i>See TCIF Section 10.4 for valid values.</i>		
ITA16	662	Relationship Code		O ID 1/1
		Code indicating the relationship between entities		
		A	Add	
		D	Delete	
		I	Included	
		O	Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		

Segment: **QTY** Quantity
Position: 617
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	QTY01	673	Quantity Qualifier		M ID 2/2
			Code specifying the type of quantity		
			<i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>		
Must Use	QTY02	380	Quantity		X R 1/15
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure		O
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	Unit or Basis for Measurement Code		M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>		

Segment: SI Service Characteristic Identification**Position:** 618**Loop:** QTY Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify service characteristic data

- Syntax Notes:**
- 1 If either SI04 or SI05 is present, then the other is required.
 - 2 If either SI06 or SI07 is present, then the other is required.
 - 3 If either SI08 or SI09 is present, then the other is required.
 - 4 If either SI10 or SI11 is present, then the other is required.
 - 5 If either SI12 or SI13 is present, then the other is required.
 - 6 If either SI14 or SI15 is present, then the other is required.
 - 7 If either SI16 or SI17 is present, then the other is required.
 - 8 If either SI18 or SI19 is present, then the other is required.
 - 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:**Comments:** 1 SI01 defines the source for each of the service characteristics qualifiers.**Notes:** 1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	SI01	559 Agency Qualifier Code	M	ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier	M	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID	M	AN 1/48
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **USD** Usage-Sensitive Detail**Position:** 620**Loop:** USD Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify usage-sensitive details which qualify for discounts or are subject to special rates

- Syntax Notes:**
- 1 Only one of USD03 or USD04 may be present.
 - 2 If USD03 is present, then at least one of USD06 USD07 or USD08 is required.
 - 3 If USD04 is present, then at least one of USD08 or USD09 is required.
 - 4 If either USD05 or USD06 is present, then the other is required.
 - 5 If USD07 is present, then both USD05 and USD06 are required.
 - 6 If USD10 is present, then at least one of USD11 or USD12 is required.
 - 7 If USD11 is present, then USD10 is required.
 - 8 If USD12 is present, then USD10 is required.

- Semantic Notes:**
- 1 USD01 is a code indicating the relationship of the price or amount to the associated segment.
 - 2 USD03 is the allowance or charge rate per unit.
 - 3 USD04 is the discount percentage.
 - 4 USD06 is the quantity of usage.
 - 5 USD07 is a quantity of usage different than the quantity in USD06. When USD07 is present, it is used in conjunction with USD06, and then the rate USD03 is applied.
 - 6 USD09 is the total amount of terms discount.

- Comments:**
- 1 If both USD03 and USD08 are present, then USD08 takes precedence.
 - 2 If USD11 is present and USD12 is not present, then the range is open ended.
 - 3 If USD12 is present and USD11 is not present, then the minimum is zero.

- Notes:**
1. *The USD loop may only appear at the line detail level.*
 2. *When submitting the 811 to any federal agency, use of a minimum of USD or TCD or both is required when HL03 is "9".*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	USD01	662 Relationship Code	M	ID 1/1
		Code indicating the relationship between entities		
		A Add		
		D Delete		
		I Included		
		O Information Only		
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		
	USD02	350 Assigned Identification	O	AN 1/20

			Alphanumeric characters assigned for differentiation within a transaction set	
	USD03	118	Rate	X R 1/9
			Rate expressed in the standard monetary denomination for the currency specified	
			<i>If both USD03 and USD08 are present, then USD08 takes precedence.</i>	
	USD04	954	Percent	X R 1/10
			Percentage expressed as a decimal	
			<i>Discount Percentage.</i>	
	USD05	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			03	Seconds
			12	Packet
			1X	Quarter Mile
			AD	Bytes
				A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
			AH	Additional Minutes
				The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
			AL	Access Lines
				Number of lines subject to Carrier Access Line Charges
			C0	Calls
				Number of calls handled
			DA	Days
			DC	Disk (Disc)
			DH	Miles
			DK	Kilometers
			DQ	Data Records
				Number of Data Records handled
			DY	Directory Books
				Number of directory books delivered to customer
			EA	Each
			EB	Electronic Mail Boxes
				Number of Electronic Mail Boxes established for an account

EV	Envelope
G7	Microfiche Sheet A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters Kilocharacters of data transmitted
KF	Kilopackets Kilopackets of data transmitted
KJ	Kilosegments Kilosegments of data transmitted
M0	Magnetic Tapes Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages Number of Messages transmitted, or delivered
NH	Message Hours Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile Number of FAX pages transmitted
QB	Pages - Hardcopy Number of printed pages delivered
QH	Quarter Hours Number of 15 minute increments of usage handled
RS	Resets Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions

			Number of interactive sessions handled	
		S7	Storage Units	
			Number of storage increments used	
		SG	Segment	
		T0	Telecommunications Lines in Service	
			Snapshot sample of lines in service	
		UB	Telecommunications Lines in Service - Average	
			Average number of lines in service specific to equal access requirements	
		UC	Telecommunications Ports	
			Number of network access ports	
		UD	Tenth Minutes	
			Number of 6 second increments of usage	
		UE	Tenth Hours	
			Number of 6 minute increments of usage	
		UF	Usage per Telecommunications Line - Average	
		UN	Unit	
		ZZ	Mutually Defined	
USD06	380	Quantity		X R 1/15
			Numeric value of quantity	
USD07	380	Quantity		X R 1/15
			Numeric value of quantity	
			<i>1. A quantity of usage different from the quantity of usage in USD06.</i>	
			<i>2. When USD07 is present, it is used in conjunction with USD06 and then the rate in USD03 is applied.</i>	
USD08	782	Monetary Amount		X R 1/18
			Monetary amount	
USD09	610	Amount		X N2 1/15
			Monetary amount	
USD10	C001	Composite Unit of Measure		X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>See USD05 for code list.</i>	
USD11	740	Range Minimum		X R 1/20
			The value specifying the minimum of the measurement range	
			<i>If USD11 is present and USD12 is not present, then the range is open-ended.</i>	

USD12 741 Range Maximum X R 1/20

The value specifying the maximum of the measurement range

If USD12 is present and USD11 is not present, the minimum is zero.

Segment:	SI Service Characteristic Identification
Position:	625
Loop:	USD Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SI04 or SI05 is present, then the other is required. 2 If either SI06 or SI07 is present, then the other is required. 3 If either SI08 or SI09 is present, then the other is required. 4 If either SI10 or SI11 is present, then the other is required. 5 If either SI12 or SI13 is present, then the other is required. 6 If either SI14 or SI15 is present, then the other is required. 7 If either SI16 or SI17 is present, then the other is required. 8 If either SI18 or SI19 is present, then the other is required. 9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	<i>When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".</i>

Data Element Summary

Ref.	Data	Element	Name	Attributes
M	SI01	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	SI02	1000	Service Characteristics Qualifier	M AN 2/2
			Code from an industry code list qualifying the type of service characteristics	
M	SI03	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
	SI04	1000	Service Characteristics Qualifier	X AN 2/2
			Code from an industry code list qualifying the type of service characteristics	
	SI05	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
	SI06	1000	Service Characteristics Qualifier	X AN 2/2
			Code from an industry code list qualifying the type of service characteristics	
	SI07	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
	SI08	1000	Service Characteristics Qualifier	X AN 2/2
			Code from an industry code list qualifying the type of service	

		characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment:	ITA Allowance, Charge or Service
Position:	630
Loop:	USD Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:	<i>When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "9".</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	

		06	Charge to be Paid by Customer	
		ZZ	Mutually Defined	
ITA05	341	Allowance or Charge Number		O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge		
ITA07	360	Allowance or Charge Total Amount		O N2 1/15
		Total dollar amount for the allowance or charge		
ITA08	378	Allowance/Charge Percent Qualifier		O ID 1/1
		Code indicating on what basis allowance or charge percent is calculated		
		9	Late Payment Charge Base Amount	
			Amount outstanding after the past due date, and subject to a late payment charge	
ITA09	332	Percent		X R 1/6
		Percent expressed as a percent		
ITA10	380	Quantity		X R 1/15
		Numeric value of quantity		
ITA11	355	Unit or Basis for Measurement Code		X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		<i>Refer to code list provided in the ITA segment in Table 2 Position 180.</i>		
ITA13	352	Description		X AN 1/80
		A free-form description to clarify the related data elements and their content		
ITA14	150	Special Charge or Allowance Code		X ID 3/3
		Code identifying type of special charge or allowance		
		<i>See TCIF Section 10.4 for valid values.</i>		
ITA16	662	Relationship Code		O ID 1/1
		Code indicating the relationship between entities		
		A	Add	
		D	Delete	
		I	Included	
		O	Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		

Segment: TRF Rating Factors**Position:** 640**Loop:** USD Optional**Level:** Detail**Usage:** Optional**Max Use:** 18**Purpose:** To specify rating information used to calculate usage-sensitive charges**Syntax Notes:****Semantic Notes:**

- Comments:**
- 1 TRF01 defines the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.
 - 2 TRF02 and TRF03 define equivalent units per standard unit.
 - 3 TRF04 and TRF05 define the standard unit.

Notes: *When submitting the 811 to any federal agency, use of the TRF segment is optional when HL03 is "9".*

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
M	TRF01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			<i>Code specifying the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.</i>	
		01	Discrete Quantity	
		02	Cumulative Quantity	
		27	Committed Quantity	
		38	Original Quantity	
		47	Primary Net Quantity	
		90	Acknowledged Quantity	
			Network Recognition for message receipt	
		91	Additional Usage Quantity	
			The amount of usage incurred above the allotted or allowable use for a service	
		92	Allotted Usage Quantity	
			The amount of allowable usage related to a service	
		93	Attendant-Handled Quantity	
			Manual Recognition for message receipt	
		94	Billable Quantity	
			Number of billable units used	
		95	Data Storage Quantity	
			Number of storage units used	
		96	Non-Billable Quantity	
			Number of non-billable units	

97	Non-Urgent Delivery Quantity
	Number of units delivered in non-urgent status
98	Overflow Quantity
	Number of overflow messages, (Busy condition count for 800 service)
99	Quantity Used
	Quantity of units used
AA	Unacknowledged Quantity
	Message received without network, or attendant recognition
AB	Urgent Delivery Quantity
	Number of units delivered in urgent status
AC	Voice Storage Quantity
	Number of voice storage units used
AD	Maintenance Units
	Number of units of maintenance provided
AE	Minimum Average Time Requirement (MATR) Units
	Number of units calculated at a minimum usage rating basis, such as X minutes per message
AF	Wide Area Telephone Service (WATS)/800 Service Units
	Number of units of usage, for WATS or 800 service
AG	Number of End Users
	Number of participating users
AH	Number of Message Recipients
	Number of recipients
AI	Number of Operator Credits
	Number of operator credits given
AJ	Daily Adjustments
NS	Number of Stations
	Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example

M	TRF02	C001	Composite Unit of Measure	M
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Equivalent units per standard unit.</i>	
		03	Seconds	
		12	Packet	

1X	Quarter Mile
AD	Bytes A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AL	Access Lines Number of lines subject to Carrier Access Line Charges
C0	Calls Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records Number of Data Records handled
DY	Directory Books Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters Kilocharacters of data transmitted
KF	Kilopackets Kilopackets of data transmitted
KJ	Kilosegments Kilosegments of data transmitted
M0	Magnetic Tapes Number of Magnetic Tapes delivered with data
M4	Monetary Value

MJ	Minutes
MO	Months
MR	Meter
NF	Messages Number of Messages transmitted, or delivered
NH	Message Hours Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile Number of FAX pages transmitted
QB	Pages - Hardcopy Number of printed pages delivered
QH	Quarter Hours Number of 15 minute increments of usage handled
RS	Resets Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions Number of interactive sessions handled
S7	Storage Units Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports Number of network access ports
UD	Tenth Minutes Number of 6 second increments of usage
UE	Tenth Hours Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit

			ZZ	Mutually Defined	
M	TRF03	380	Quantity		M R 1/15
			Numeric value of quantity		
			<i>Standard unit.</i>		
M	TRF04	C001	Composite Unit of Measure		M
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	Unit or Basis for Measurement Code		M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>Equivalent units per standard unit.</i>		
			<i>See TRF02 for code list.</i>		
M	TRF05	380	Quantity		M R 1/15
			Numeric value of quantity		
			<i>Standard unit.</i>		

Segment: **QTY** Quantity
Position: 650
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	QTY01	673	Quantity Qualifier		M ID 2/2
			Code specifying the type of quantity		
			<i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>		
Must Use	QTY02	380	Quantity		X R 1/15
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure		O
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	Unit or Basis for Measurement Code		M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>		

Segment: SI Service Characteristic Identification**Position:** 660**Loop:** QTY Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify service characteristic data

- Syntax Notes:**
- 1 If either SI04 or SI05 is present, then the other is required.
 - 2 If either SI06 or SI07 is present, then the other is required.
 - 3 If either SI08 or SI09 is present, then the other is required.
 - 4 If either SI10 or SI11 is present, then the other is required.
 - 5 If either SI12 or SI13 is present, then the other is required.
 - 6 If either SI14 or SI15 is present, then the other is required.
 - 7 If either SI16 or SI17 is present, then the other is required.
 - 8 If either SI18 or SI19 is present, then the other is required.
 - 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:**Comments:** 1 SI01 defines the source for each of the service characteristics qualifiers.**Notes:** 1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	SI01	559 Agency Qualifier Code	M	ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M	SI02	1000 Service Characteristics Qualifier	M	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
M	SI03	234 Product/Service ID	M	AN 1/48
		Identifying number for a product or service		
	SI04	1000 Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI05	234 Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
	SI06	1000 Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
	SI07	234 Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments:

- 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610 Amount	M N2 1/15
		Monetary amount	
		<i>The TDS segment (TDS01) contains the segment billed amount derived from the detail for the invoice. It does not contain any billed amounts found in the summary level.</i>	

Segment:	ITA Allowance, Charge or Service
Position:	020
Loop:	ITA Optional
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	ITA01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
		A	Allowance	
		C	Charge	
		N	No Allowance or Charge	
	ITA02	559	Agency Qualifier Code	X ID 2/2
			Code identifying the agency assigning the code values	
		TI	Telecommunications Industry	
	ITA03	560	Special Services Code	X ID 2/10
			Code identifying the special service	
			<i>See TCIF Section 10.4 for valid values.</i>	
M	ITA04	331	Allowance or Charge Method of Handling Code	M ID 2/2
			Code indicating method of handling for an allowance or charge	
		03	Vendor Check to Customer	
		04	Credit Customer Account	

		06	Charge to be Paid by Customer	
		ZZ	Mutually Defined	
ITA05	341	Allowance or Charge Number		O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge		
ITA07	360	Allowance or Charge Total Amount		O N2 1/15
		Total dollar amount for the allowance or charge		
ITA08	378	Allowance/Charge Percent Qualifier		O ID 1/1
		Code indicating on what basis allowance or charge percent is calculated		
		9	Late Payment Charge Base Amount	
			Amount outstanding after the past due date, and subject to a late payment charge	
ITA09	332	Percent		X R 1/6
		Percent expressed as a percent		
ITA10	380	Quantity		X R 1/15
		Numeric value of quantity		
ITA11	355	Unit or Basis for Measurement Code		X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>		
ITA13	352	Description		X AN 1/80
		A free-form description to clarify the related data elements and their content		
ITA14	150	Special Charge or Allowance Code		X ID 3/3
		Code identifying type of special charge or allowance		
		<i>See TCIF Section 10.4 for valid values.</i>		
ITA16	662	Relationship Code		O ID 1/1
		Code indicating the relationship between entities		
		A	Add	
		D	Delete	
		I	Included	
		O	Information Only	
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		

Segment: **DTM** Date/Time Reference

Position: 030

Loop: ITA Optional

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			007	Effective
			009	Process
			050	Received
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **REF** **Reference Identification**
Position: 035
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 5
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **BAL** **Balance Detail**
Position: 040
Loop: BAL Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To identify the specific monetary balances associated with a particular account
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BAL01	951	Balance Type Code	M ID 1/2
			Code indicating the type of balance	
			A Adjustment	
			M Current Month	
			P Previous Month	
			Balance of previous period charges prior to applying payments and adjustments for the previous period billing	
M	BAL02	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			5 Total Invoice Amount	
			8 Total Monetary Discount Amount	
			BT Bank Reject Total	
			C4 Prior Payment - Actual	
			Amount paid in reality at an earlier time	
			NA Net Adjustment	
			NS Net Savings Amount	
			Amount of dollar saving resulting from the use of service, such as Optional Calling Plans	
			PB Billed Amount	
			Total amount due on the period bill	
			SC Total Service Charge	
			TP Total payment amount	
			TT Total Transaction Amount	
M	BAL03	782	Monetary Amount	M R 1/18
			Monetary amount	

Segment: **DTM** Date/Time Reference

Position: 050

Loop: BAL Optional

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

M	Ref.	Data				
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
	DTM01	374	Date/Time Qualifier		M	ID 3/3
	Code specifying type of date or time, or both date and time					
			007	Effective		
			009	Process		
			050	Received		
	DTM02	373	Date	X	DT 8/8	
Date expressed as CCYYMMDD						

Segment: **N1** Name
Position: 060
Loop: N1 Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		SJ	Service Provider	
			Identifies name and address information as pertaining to a service provider for which billing is being rendered	
	N102	93	Name	X AN 1/60
			Free-form name	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		41	Telecommunications Carrier Identification Code	
			Identifies the Interexchange carrier for the charges being billed	
		42	Telecommunications Pseudo Carrier Identification Code	
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers	
		91	Assigned by Seller or Seller's Agent	
	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			<i>If N103 = "41" - Use Bellcore CIC list. If N103 = "42" - Use Pseudo-CIC list provided in TCIF section 10.4.</i>	

Segment: **BAL** Balance Detail
Position: 070
Loop: BAL Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To identify the specific monetary balances associated with a particular account
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BAL01	951	Balance Type Code	M ID 1/2
			Code indicating the type of balance	
			A Adjustment	
			M Current Month	
			P Previous Month	
			Balance of previous period charges prior to applying payments and adjustments for the previous period billing	
M	BAL02	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			AD Adjusted Total	
M	BAL03	782	Monetary Amount	M R 1/18
			Monetary amount	

Segment: **DTM** **Date/Time Reference**

Position: 080

Loop: BAL Optional

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes:

- 1** At least one of DTM02 DTM03 or DTM05 is required.
- 2** If DTM04 is present, then DTM03 is required.
- 3** If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			003	Invoice
			007	Effective
			009	Process
			050	Received
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment:	ITA Allowance, Charge or Service
Position:	090
Loop:	ITA Optional
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	ITA01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
		A	Allowance	
		C	Charge	
		N	No Allowance or Charge	
	ITA02	559	Agency Qualifier Code	X ID 2/2
			Code identifying the agency assigning the code values	
		TI	Telecommunications Industry	
	ITA03	560	Special Services Code	X ID 2/10
			Code identifying the special service	
			<i>See TCIF Section 10.4 for valid values.</i>	
M	ITA04	331	Allowance or Charge Method of Handling Code	M ID 2/2
			Code indicating method of handling for an allowance or charge	
		04	Credit Customer Account	
		06	Charge to be Paid by Customer	

		ZZ	Mutually Defined	
ITA05	341	Allowance or Charge Number	O AN 1/16	
		The number assigned by a vendor referencing an allowance, promotion, deal or charge		
ITA06	359	Allowance or Charge Rate	O R 1/15	
		Allowance or Charge Rate per Unit		
ITA07	360	Allowance or Charge Total Amount	O N2 1/15	
		Total dollar amount for the allowance or charge		
ITA09	332	Percent	X R 1/6	
		Percent expressed as a percent		
ITA10	380	Quantity	X R 1/15	
		Numeric value of quantity		
ITA11	355	Unit or Basis for Measurement Code	X ID 2/2	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>		
ITA13	352	Description	X AN 1/80	
		A free-form description to clarify the related data elements and their content		
ITA14	150	Special Charge or Allowance Code	X ID 3/3	
		Code identifying type of special charge or allowance		
		<i>See TCIF Section 10.4 for valid values.</i>		
ITA16	662	Relationship Code	O ID 1/1	
		Code indicating the relationship between entities		
		O	Information Only	
			Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	

Segment: **DTM** **Date/Time Reference**

Position: 100

Loop: ITA Optional

Level: Summary

Usage: Optional

Max Use: 2

Purpose: To specify pertinent dates and times

Syntax Notes:

- 1** At least one of DTM02 DTM03 or DTM05 is required.
- 2** If DTM04 is present, then DTM03 is required.
- 3** If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			007	Effective
			009	Process
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **REF** **Reference Identification**
Position: 105
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 5
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			12 Billing Account	
			Account number under which billing is rendered	
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: CTT Transaction Totals**Position:** 115**Loop:****Level:** Summary**Usage:** Optional**Max Use:** 1**Purpose:** To transmit a hash total for a specific element in the transaction set**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.**Notes:** *The number of line items (CTT01) is the accumulation of the number of IT1 segments.***Data Element Summary**

Ref.	Data Des.	Element	Name	Attributes
M	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set <i>Number of IT1 segments in this transaction set.</i>	
	CTT02	347	Hash Total	O R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field. <i>If used, the specified field for the Telecommunications Industry is IT104.</i>	

Segment: **SE** Transaction Set Trailer
Position: 120
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:**Semantic Notes:**

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Des.	Data		Attributes
			<u>Element</u>	<u>Name</u>	
M		SE01	96	Number of Included Segments	M N0 1/10
				Total number of segments included in a transaction set including ST and SE segments	
M		SE02	329	Transaction Set Control Number	M AN 4/9
				Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	